

NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
 NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
 NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
 NEWS 19 May 31 PCTFULL to be reloaded. File temporarily unavailable.
 NEWS 20 Jun 03 New e-mail delivery for search results now available

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
 CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
 AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 06:55:23 ON 04 JUN 2002

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 06:55:45 ON 04 JUN 2002
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 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: May 31, 2002 (20020531/UP).

=>

NAME	CREATED	NOTES/TITLE
ALKYLATIN/L	13 DEC 2001	9 L-NUMBERS
BETULIN/L	TEMP	7 L-NUMBERS
FLUOROACACS/A	TEMP	13 ANSWERS IN FILE CAPLUS
INDIUMCL3/A	30 MAY 2001	1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A	04 AUG 2001	72 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A	24 APR 2001	59 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A	19 APR 2001	196 ANSWERS IN FILE REGISTRY
POHBENZALDEH/A	10 JUL 2001	5519 ANSWERS IN FILE CAPLUS
PROSTACMPD15/A	01 AUG 2001	34 ANSWERS IN FILE CAPLUS
PYROHITSREG/A	TEMP	47 ANSWERS IN FILE REGISTRY
STILLEAPP/L	07 JAN 2002	17 L-NUMBERS

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FILE COVERS_1907 - 4 Jun 2002-- VOL 136 ISS 23
FILE LAST UPDATED: 2 Jun 2002 (20020602/ED)

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=> ?benzimidazole?

L4 27181 ?BENZIMIDAZOLE?

=> sun?

L5 97819 SUN?

=> l4 and l5

L6 334 L4 AND L5

=> chlorosul?

L7 13754 CHLOROSUL?

=> l6 and l7

L8 1 L6 AND L7

=> d l8 ti

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

TI Heat-resistant ethylene-propylene rubber and insulated conductor product

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.33

9.00

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:00:43 ON 04 JUN 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'CAPLUS' AT 07:02:02 ON 04 JUN 2002

FILE 'CAPLUS' ENTERED AT 07:02:02 ON 04 JUN 2002

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.33	9.00

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.33	9.00

FILE 'REGISTRY' ENTERED AT 07:02:10 ON 04 JUN 2002
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STRUCTURE FILE UPDATES: 2 JUN 2002 HIGHEST RN 424787-52-0
DICTIONARY FILE UPDATES: 2 JUN 2002 HIGHEST RN 424787-52-0

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e 1H-Benzimidazole-4,6-disulfonic acid, 2,2'-(1,4-phenylene)bis-, disodium
salt/cn

MISMATCHED QUOTE IN EXPAND TERM

Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> e 2,2'-(1,4-phenylene)bis-1H-Benzimidazole-4,6-disulfonic acid, disodium
salt/cn

MISMATCHED QUOTE IN EXPAND TERM

Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> e 2,2'-(1,4-phenylene)bislogoff hold-1H-Benzimidazole-4,6-disulfonic
acid, disodium salt/cn

MISMATCHED QUOTE IN EXPAND TERM

Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.52	10.52

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:04:38 ON 04 JUN 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 07:06:52 ON 04 JUN 2002
FILE 'REGISTRY' ENTERED AT 07:06:52 ON 04 JUN 2002
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.52	10.52

=> dhis

0 DHIS
L9 0 DHIS

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.52	14.52

FILE 'CAPLUS' ENTERED AT 07:07:08 ON 04 JUN 2002
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FILE COVERS 1907 - 4 Jun 2002 VOL 136 ISS 23
FILE LAST UPDATED: 2 Jun 2002 (20020602/ED)

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=> d his

(FILE 'HOME' ENTERED AT 06:55:23 ON 04 JUN 2002)

FILE 'STNGUIDE' ENTERED AT 06:55:45 ON 04 JUN 2002

FILE 'CAPLUS' ENTERED AT 06:55:59 ON 04 JUN 2002
ACT UVABSORBRS/A

L1 STR
L2 (13)SEA FILE=REGISTRY SSS FUL L1
L3 31 SEA FILE=CAPLUS ABB=ON PLU=ON L2

FILE 'CAPLUS' ENTERED AT 06:56:11 ON 04 JUN 2002
L4 27181 ?BENZIMIDAZOLE?
L5 97819 SUN?
L6 334 L4 AND L5
L7 13754 CHLOROSUL?
L8 1 L6 AND L7

FILE 'REGISTRY' ENTERED AT 07:02:10 ON 04 JUN 2002
L9 0 DHIS

FILE 'CAPLUS' ENTERED AT 07:07:08 ON 04 JUN 2002

=> ?diamine

L10 147635 ?DIAMINE

=> ?phtal?

L11 1046 ?PHTAL?

=> ?phthal?

L12 463825 ?PHTHAL?

=> l10 and l12

L13 19453 L10 AND L12

=> l10(l)l12

L14 14404 L10(L)L12

=> ?imidazol?

L15 120275 ?IMIDAZOL?

=> l14 and l15

L16 732 L14 AND L15

=> UV

367415 UV

288 UVS

L17 367516 UV

(UV OR UVS)

=> l16 and l17

L18 19 L16 AND L17

=> d l18 1-10 ti

L18 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis and properties of **benzimidazole** and
naphthoimidazole derivatives of perylene-dicarboximide

L18 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2002 ACS

TI Colored Poly(arylene ether)s Containing **Benzoylenebenzimidazole**,
Phthaloperinone, and Phthalocyanine Moieties

L18 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Molecular level coating of metal oxide particles

L18 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Ultraviolet ray-absorbing aromatic compound for polymers and fibers

L18 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Ruthenium(III) Schiff base chloro and carbonyl complexes: synthesis,
characterization and EPR studies

L18 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Rapid analysis of lubricating oil additives by reversed-phase high
performance liquid chromatography

L18 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Compounds having two bis(2,2,6,6-tetramethyl-4-piperidyl)-substituted
heterocyclic rings and polymers containing them

L18 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Studies in binuclear copper(II) complexes involving unsymmetrical
tetradentate Schiff bases

L18 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of new pseudoladder polymers with 7H-benzimidazo[2,1-
a]benzo[d,e]isoquinolin-7-one-3,11-diyl units in the main chain

L18 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Aromatic poly[(amino)amide]s and poly(imidazo[4,5-f]**benzimidazole**
s derived from poly[(tosylamino)amide]s. 1

=> d 118 11-19 ti

L18 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of poly(**naphthoylenebenzimidazoles**) from dianhydrides
of oxy-, carbonyl-, and sulfonylbis(4,5-dicarboxy-1-naphthalene)

L18 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Thermostable polymers. II. Polyamides containing **benzimidazole**
rings

L18 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Organic luminophors with orange-red luminescence containing pyrazoline
nuclei and 1,8-naphthoylene-1',2'-**benzimidazole** groupings

L18 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Derivatives of 5-methylisoidolo[1,2-b]**benzimidazole**, a new
aromatic system

L18 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Benzoxazole derivatives as optical brightening agents

L18 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2002 ACS
TI Thermostable polymers. IV. Poly(amide **benzimidazoles**)

L18 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2002 ACS

TI Heterocyclic organoboron compounds. II. Some 2-aryl- benzo- and
-naphtho-1,3,2-diazaborolines and -oxaborolenes

L18 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2002 ACS

TI .omicron.-Benzylene-2,1-**benzimidazole**; the condensation product
of o-**phenylenediamine** and o-**phthalaldehyde**

L18 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2002 ACS

TI Potential antihypertensive agents-some guanidine derivatives

=> d l18 ti fbib abs

L18 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis and properties of **benzimidazole** and
naphthoimidazole derivatives of perylene-dicarboximide

AN 2001:186533 CAPLUS

DN 134:368249

TI Synthesis and properties of **benzimidazole** and
naphthoimidazole derivatives of perylene-dicarboximide

AU Nagao, Yukinori; Tsuda, Koji; Kozawa, Kozo; Uchida, Tokiko

CS Department of Industrial Chemistry, Faculty of Science and Technology,
Science University of Tokyo, Chiba, 278-8510, Japan

SO Heterocycles (2001), 54(2), 757-764

CODEN: HTCYAM; ISSN: 0385-5414

PB Japan Institute of Heterocyclic Chemistry

DT Journal

LA English

AB **Benzimidazole** and **naphthimidazole** derivs. of
N-alkylperylene-dicarboximides were prepd. by the condensation of
N-alkyl-3,4:9,10-perylenetetracarboxylic acid monoanhydride monoimide
with

o-**phenylenediamine** and 2,3- or 1,8-**diaminonaphthalenes**

. Properties of these derivs. as black-violet pigments were tested, and
their thermal stability and soly. were also investigated.

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
18.98	33.50

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.62	-0.62

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:12:08 ON 04 JUN 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.06	0.65

FILE 'CAPLUS' ENTERED AT 09:23:19 ON 04 JUN 2002
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FILE COVERS 1907 - 4 Jun 2002 VOL 136 ISS 23
FILE LAST UPDATED: 2 Jun 2002 (20020602/ED)

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```
=>
L1          STR
L2 (        13)SEA FILE=REGISTRY SSS FUL L1
L3          31 SEA FILE=CAPLUS ABB=ON  PLU=ON  L2
```

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.40	1.05

FILE 'CAPLUS' ENTERED AT 09:23:55 ON 04 JUN 2002
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=> phospor?

L4 587 PHOSPOR?

=> phosphor?

L5 535119 PHOSPHOR?

=> l3 and l5

L6 0 L3 AND L5

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.44

5.49

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:25:36 ON 04 JUN 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14 Apr 09 ZDB will be removed from STN
NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB

NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS

NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER

NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available

NEWS 19 May 31 PCTFULL to be reloaded. File temporarily unavailable.

NEWS 20 Jun 03 New e-mail delivery for search results now available

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

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NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:31:50 ON 04 JUN 2002

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 14:32:02 ON 04 JUN 2002

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FILE COVERS 1907 - 4 Jun 2002 VOL 136 ISS 23

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=> sodium sulfonate

747376 SODIUM

31 SODIUMS

747389 SODIUM

(SODIUM OR SODIUMS)

47930 SULFONATE

15767 SULFONATES

56249 SULFONATE

(SULFONATE OR SULFONATES)

L1 843 SODIUM SULFONATE

(SODIUM(W) SULFONATE)

=> sodium chloride

747376 SODIUM

31 SODIUMS

747389 SODIUM

(SODIUM OR SODIUMS)

843377 CHLORIDE

127299 CHLORIDES

906774 CHLORIDE

(CHLORIDE OR CHLORIDES)

L2 83208 SODIUM CHLORIDE

(SODIUM(W) CHLORIDE)

=> l1(1)l2

L3 8 L1(L)L2

=> d l3 1-8 ti

L3 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis of sulfonated poly(arylene ether phosphine oxide sulfone)s via direct polymerization

L3 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS

TI Sulfonation of 1-naphthol and determination of the acidity constants of 4-monosulfo-1-naphthol

L3 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis of sulfonated poly(phenylene sulfide sulfone)s via direct polymerization.

L3 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis of sulfonated poly(arylene ether sulfone)s via direct polymerization.

L3 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2002 ACS

TI Energy saving coal

L3 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2002 ACS

TI Syntheses and surface active properties of polyoxyethylene fatty alcohol ether sulfonates

L3 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2002 ACS

TI Preparation and polymerization of fluorocarbonyl compounds for ion

exchange membranes

L3 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Heat of immersion of alumina into aqueous sodium dodecyl sulfonate solutions

=> d l3 2 ti_fbib abs

L3 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Sulfonation of 1-naphthol and determination of the acidity constants of 4-monosulfo-1-naphthol
AN 2000:887487 CAPLUS
DN 134:162714
TI Sulfonation of 1-naphthol and determination of the acidity constants of 4-monosulfo-1-naphthol
AU Miladinovic, N. D.; Orbadovic, M. V.; Veselinovic, D. S.
CS Chem. Dep., Fac. of Philosophy, Univ. Nis, Nis, YU-18000, Yugoslavia
SO Latvijaz Kimijas Zurnals (2000), (2), 56-62
CODEN: LKZUE8; ISSN: 0868-8249
PB Izdevnieciba "Zinatne"
DT Journal
LA English
OS CASREACT 134:162714
AB 4-Monosulfo-1-naphthol is spontaneously formed as a white deposit in 0.3 mol/dm³ soln. of 1-naphthol in 96% H₂SO₄ in 48 h 61 at 298 K. The compn. of this compd. was detd. by Rast's method as well as by AAS, IR, and UV/VIS spectroscopy. Detn. of acidity constns. of 4-sulfo-1-naphthoyl was performed using pH-metric and spectrophotometric titrn.
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> sulfon?

L4 228632 SULFON?

=> salif?

L5 1208 SALIF?

=> 14(1)15

L6 40 L4(L)L5

=> 12 and 16

L7 0 L2 AND L6

=> d his

(FILE 'HOME' ENTERED AT 14:31:50 ON 04 JUN 2002)

FILE 'CAPLUS' ENTERED AT 14:32:02 ON 04 JUN 2002

L1 843 SODIUM SULFONATE
L2 83208 SODIUM CHLORIDE
L3 8 L1(L)L2
L4 228632 SULFON?
L5 1208 SALIF?
L6 40 L4(L)L5
L7 0 L2 AND L6

=> sulfonic acid

58020 SULFONIC
19 SULFONICS
58033 SULFONIC
(SULFONIC OR SULFONICS)

3331263 ACID
1292380 ACIDS
3797264 ACID

(ACID OR ACIDS)

L8 53920 SULFONIC ACID
(SULFONIC(W)ACID)

=> 18 (1)15

L9 9 L8 (L)L5

=> 12 and 19

L10 0 L2 AND L9

=> d 19 19 ti

9 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET
SIZE

The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):1-9

L9 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Process for the preparation of benzophenonesulfonic acids by sulfonation
of benzophenones using chlorosulfonic acid in dialkyl carbonate solvents

L9 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of novel, gabapentin-related amines as pharmaceutical agents

L9 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Sulfonate salts of cyclic amines as crystal nucleation agents for
polyolefins

L9 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Method for grafting a substituted difluoromethyl group to a compound
contg. an electrophilic group with microwave irradiation

L9 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of benzimidazole adrenergic receptor agonists

L9 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of agrochemical fungicidal salts of
cis-2-aminocyclopentane-1-
carboxylic acid and a substituted benzenesulfonic acid

L9 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Desferrioxamine-B sulfonic acid salts and their use as orally effective
iron chelators

L9 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Process for preparation of solutions of non-ferrous metal sulfonates

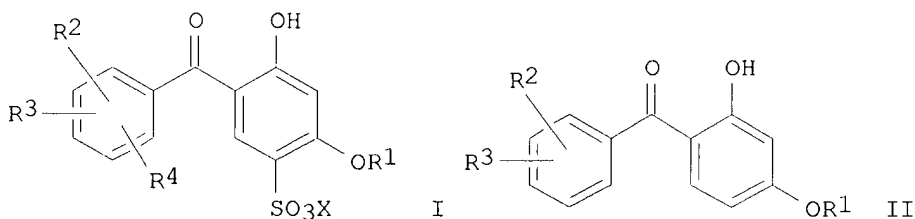
L9 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Molecular weight controller for polymerization of lactams to polyamides

=> d 19 1 ti fbib abs

L9 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS
 TI Process for the preparation of benzophenonesulfonic acids by sulfonation
 of benzophenones using chlorosulfonic acid in dialkyl carbonate solvents
 AN 2000:873461 CAPLUS
 DN 134:4756
 TI Process for the preparation of benzophenonesulfonic acids by sulfonation
 of benzophenones using chlorosulfonic acid in dialkyl carbonate solvents
 IN Fumagalli, Eugenio; Bona, Roberto
 PA 3V Sigma S.p.A., Italy
 SO Fr. Demande, 11 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2791057	A1	20000922	FR 2000-2702	20000302
				IT 1999-BG13	A 19990317
	IT 1307976	B1	20011129	IT 1999-BG13	19990317
OS	CASREACT 134:4756; MARPAT 134:4756				
GI					



AB Title acids I are prepd. by sulfonation of benzophenones II with ClSO₃H
 [R₁ = C₁-15 alkyl optionally substituted with halo, cyano, OH, or C₁-15
 alkoxy; R₂, R₃ = H, C₁-12 alkyl or alkoxy, OH, CH₂OH, or C₂-6
 hydroxyalkyl; R₄ = H, SO₃X; X = H, monovalent metal, N(R₅)₃ (sic); R₅ =
 H,
 C₁-6 alkyl, CH₂OH, C₂-6 hydroxyalkyl], followed optionally by
salification with amines, monovalent metal hydroxides, or
 alcoholates. The reaction is improved by conducting it in dialkyl
 carbonate solvents R₆O C(O)OR₇ [R₆, R₇ = C₁-3 alkyl]. Use of these
 solvents gives high-purity products in nearly quant. yields, and the
 solvent can be recovered from the reaction mixt. and recycled repeatedly
 without purifn. For instance, 2-hydroxy-4-methoxybenzophenone in di-Me
 carbonate was sulfonated with 1 equiv ClSO₃H (dropwise) over 1 h at
 10-35.degree.. The reaction mixt. was refluxed with an NaOH trap to
 remove HCl, cooled to 5.degree., and filtered to give cryst.
 2-hydroxy-4-methoxybenzophenone-5-**sulfonic acid**, i.e.
 I [X = H, R₁ = Me, R₂-R₄ = H] (III) in 95.3% yield. The solvent was
 recovered and recycled to over 30 addnl. runs of the same reaction,
 without purifn., distn., or treatments, giving III in practically quant.
 yield. I are known sunscreens for UV-A and UV-B rays (no data).

=> d 19 8 ti fbib abs

L9 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Process for preparation of solutions of non-ferrous metal sulfonates
AN 1991:558517 CAPLUS
DN 115:158517

TI Process for preparation of solutions of non-ferrous metal sulfonates
IN Remmers, Graalf; Lieker, Horst
PA Riedel-de Haen A.-G., Germany
SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 433816	A1	19910626	EP 1990-123624	19901208
	EP 433816	B1	19940420		
	R: BE, DE, FR, GB, IT				
	US 5162555	A	19921110	DE 1989-3941674A	19891218
				US 1990-625007	19901210
				DE 1989-3941674A	19891218
	JP 04091071	A2	19920324	JP 1990-402866	19901217
	JP 3170295	B2	20010528		
				DE 1989-3941674A	19891218

OS MARPAT 115:158517

AB Nonferrous metal salts of RSO₃H [I; R = (hydroxy)alkyl, (hydroxy)phenyl] are prepd. in soln. by direct reaction of I aq. solns. with solid metals in a reactor stirred by action of an O-contg. gas.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	35.40	35.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.86	-1.86

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STRUCTURE FILE UPDATES: 2 JUN 2002 HIGHEST RN 424787-52-0
DICTIONARY FILE UPDATES: 2 JUN 2002 HIGHEST RN 424787-52-0

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e salt/cn

E1 1 SALSORB DD/CN

E2 1 SALSORB DPX 5038/CN
E3 1 --> SALT/CN
E4 1 SALT AG/CN
E5 1 SALT CAKE/CN
E6 1 SALT LB CONC/CN
E7 1 SALT OF SATURN/CN
E8 1 SALT OF SORREL/CN
E9 1 SALT RESPONSIVE PROTEIN (ORYZA SATIVA CLONE OSSRII
FRAGMENT)
/CN
E10 1 SALT RESPONSIVE PROTEIN (ORYZA SATIVA CLONE OSSRIII
FRAGMENT
)/CN
E11 1 SALT RESPONSIVE PROTEIN (ORYZA SATIVA GENE SRI)/CN
E12 1 SALT STRESS-INDUCED PROTEIN SAS1 HOMOLOG (ARABIDOPSIS
THALIA
NA)/CN

=> e3

L11 1 SALT/CN

=> d

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 7647-14-5 REGISTRY
CN Sodium chloride (NaCl) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **Salt (6CI, 7CI)**
CN Sodium chloride (8CI)
OTHER NAMES:
CN BCD
CN Brinewate Superfine
CN Common salt
CN Iodized salt
CN Mafiron
CN Sea salt
CN Sodium monochloride
CN Special Salt 100/95
CN SS Salt
CN Table salt
CN Watesal A
DR 8028-77-1, 11062-32-1, 11062-43-4, 418758-90-4
MF Cl Na
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES,
DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2,
GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
NIOSH TIC, PDLCOM*, PHARMASEARCH, PIRA, PROMT, RTECS*, TOXCENTER, TULSA,
ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Cl-Na

89839 REFERENCES IN FILE CA (1967 TO DATE)
 356 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 89935 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 75 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	-SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.96	41.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.86

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FILE COVERS 1907 - 4 Jun 2002 VOL 136 ISS 23
 FILE LAST UPDATED: 2 Jun 2002 (20020602/ED)

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=> l11

L12 89939 L11

=> d his

(FILE 'HOME' ENTERED AT 14:31:50 ON 04 JUN 2002)

FILE 'CAPLUS' ENTERED AT 14:32:02 ON 04 JUN 2002

L1 843 SODIUM SULFONATE
 L2 83208 SODIUM CHLORIDE
 L3 8 L1 (L) L2
 L4 228632 SULFON?
 L5 1208 SALIF?
 L6 40 L4 (L) L5
 L7 0 L2 AND L6
 L8 53920 SULFONIC ACID
 L9 9 L8 (L) L5

L10 0 L2 AND L9

FILE 'REGISTRY' ENTERED AT 14:48:27 ON 04 JUN 2002
E SALT/CN

L11 1 E3

FILE 'CAPLUS' ENTERED AT 14:49:11 ON 04 JUN 2002

L12 89939 L11

=> 19 and 112

L13 0 L9 AND L12

=> alkali metal

355216 ALKALI

3743 ALKALIS

25829 ALKALIES

374006 ALKALI

(ALKALI OR ALKALIS OR ALKALIES)

1340331 METAL

664920 METALS

1623475 METAL

(METAL OR METALS)

L14 151934 ALKALI METAL

(ALKALI(W)METAL)

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.24

46.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-1.86

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:51:57 ON 04 JUN 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update
frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available